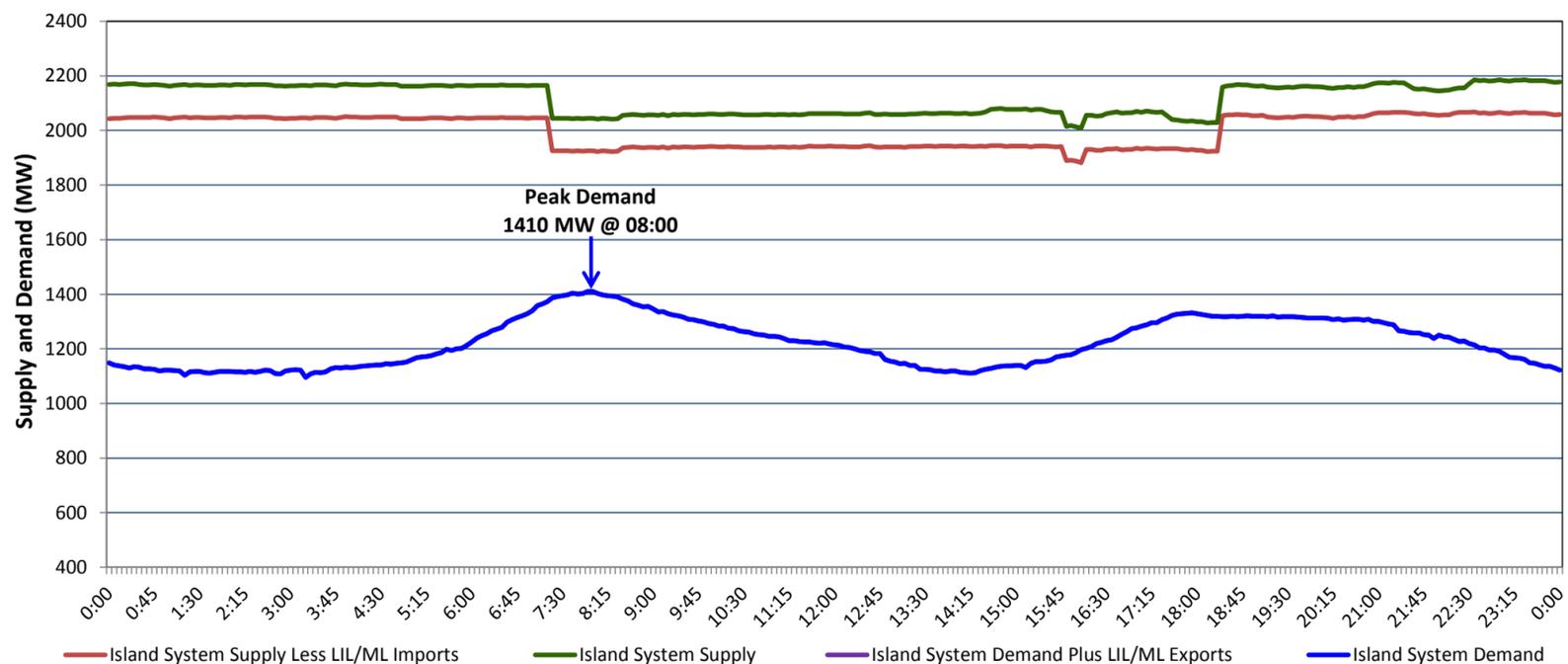


Newfoundland Labrador Hydro (NLH) Supply and Demand Status Report Filed Wednesday, February 05, 2020

Section 1 Island Interconnected System Supply, Demand & Exports Actual 24 Hour System Performance For Tuesday, February 04, 2020



Supply Notes For February 04, 2020

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- A At 0718 hours, February 04, 2020, Holyrood Gas Turbine unavailable due to planned outage (123.5 MW).
 B At 1550 hours, February 04, 2020, Hardwoods Gas Turbine unavailable (50 MW).
 C At 1609 hours, February 04, 2020, Hardwoods Gas Turbine available (50 MW).
 D At 1824 hours, February 04, 2020, Holyrood Gas Turbine available (123.5 MW).

Section 2 Island Interconnected Supply and Demand

Wed, Feb 05, 2020	Island System Outlook ³	Seven-Day Forecast	Temperature (°C)		Island System Daily Peak Demand (MW)	
			Morning	Evening	Forecast	Adjusted ⁷
Available Island System Supply: ⁵	2,154 MW	Wednesday, February 05, 2020	-4	-4	1,455	1,350
NLH Island Generation: ⁴	1,695 MW	Thursday, February 06, 2020	-7	-5	1,525	1,419
NLH Island Power Purchases: ⁶	130 MW	Friday, February 07, 2020	-3	-1	1,420	1,316
Other Island Generation:	200 MW	Saturday, February 08, 2020	4	-8	1,475	1,370
ML/LIL Imports:	129 MW	Sunday, February 09, 2020	-7	-7	1,445	1,340
Current St. John's Temperature & Windchill:	-4 °C -9 °C	Monday, February 10, 2020	-8	-6	1,525	1,419
7-Day Island Peak Demand Forecast:	1,525 MW	Tuesday, February 11, 2020	-1	-4	1,340	1,237

Supply Notes For February 05, 2020

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- Notes:
1. Generation outages for running and corrective maintenance are included. These are not unusual for power system operations. They generally do not impact customer supply. The power system operators schedule outages to system equipment whenever possible to coincide with periods when customer demands are low and sufficient supply reserves are available. However, from time to time equipment outages are necessary and reserves may be impacted.
 2. Due to the Island system having no synchronous connections to the larger North American grid, when there is a sudden loss of large generating units there may be a requirement for some customer's load to be interrupted for short periods to bring generation output equal to customer demand. This automatic action of power system protection, referred to as under frequency load shedding (UFLS), is necessary to ensure the integrity and reliability of system equipment. Under frequency events have typically occurred 5 to 8 times per year on the Island Interconnected System and the resultant customer load interruptions are generally less than 30 minutes. With the activation of the Maritime Link frequency controller during the winter of 2018, UFLS events have occurred less frequently.
 3. As of 0800 Hours.
 4. Gross output including station service at Holyrood (24.5 MW) and improved NLH hydraulic output due to water levels (35 MW).
 5. Gross output from all Island sources (including Note 4).
 6. NLH Island Power Purchases include: CBPP Co-Gen, Nalcor Exploits, Rattle Brook, Star Lake, Wind Generation and capacity assistance (when applicable).
 7. Adjusted for curtailable load, market activities and the impact of voltage reduction when applicable.

Section 3 Island Peak Demand Information Previous Day Actual Peak and Current Day Forecast Peak

Tue, Feb 04, 2020	Actual Island Peak Demand ⁸	08:00	1,410 MW
Wed, Feb 05, 2020	Forecast Island Peak Demand		1,455 MW

- Notes: 8. Island Demand / LIL / ML Exports (where applicable) is supplied by NLH generation and purchases, plus generation owned and operated by Newfoundland Power and Corner Brook Pulp & Paper (Deer Lake Power, DLP).